

Title (en)

UV coatings containing chlorinated polyolefins, method of curing, and coated substrates therefrom.

Title (de)

UV-Beschichtungen mit chlorierten Polyolefinen, Verfahren zu deren Härtung und damit beschichtete Substrate.

Title (fr)

Compositions de revêtement durcissables à l'U.V. contenant des polyoléfines chlorées, leur méthode de durcissement et les substrats recouverts par ceux-ci.

Publication

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Application

**EP 89104071 A 19890308**

Priority

US 16806988 A 19880314

Abstract (en)

Disclosed is a coating composition which crosslinks upon exposure to ultraviolet radiation. The coating composition comprises: (A) from 1 to 5 percent of a saturated, chlorinated polymeric material selected from the group consisting of (1) a chlorinated polyolefin containing about 5 to 75 percent by weight of chlorine and having a number average molecular weight of about 5,000 - 50,000, (2) a chlorinated polyolefin containing carboxylic anhydride groups and about 5 to 25 percent by weight of chlorine and having a number average molecular weight of about 5,000 - 50,000, and (3) a mixture thereof; (B) from 20 to 80 percent of a radiation sensitive monomer having at least two addition polymerizable unsaturated bonds; (C) from 0.1 to 5.0 percent of a photopolymerization initiator; and (D) from 80 to 20 percent of an acrylic addition polymer having at least one amino group and having a number average molecular weight of about 8,000 - 70,000. Also disclosed is a method of coating comprising: (I) applying to a plastic substrate a film of coating composition of the invention; and (II) curing the film by exposing the film to ultraviolet radiation. Also disclosed is a plastic article having directly adhered to a surface thereof, a crosslinked film produced by the method of the invention.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

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